I		CLAIMS			
2					
3		1. A method including steps of			
4		receiving, at a server, a request from a client for an object accessible by said			
5	server;				
6		building, logically remote to said server, a set of template information for said ob-			
7	ject;				
8		sending, to said client, a set of delta information for said object and a reference to			
9	said template	mplate information.			
10	mation.	2. A method as in claim 1, including steps of compressing said delta infor-			
The state of the s	formation.	3. A method as in claim 1, including steps of compressing said template in-			
TU 17		4. A method as in claim 1, including steps of			
18		computing, responsive to said object from said server, a set of delta information;			
19	and				
20		formatting said delta information for delivery to said client.			
21					
22		5. A method as in claim 1, including steps of			

	1	distributing said request from said client to a selected one of a set of delta e	ncod-		
	2	ers;			
	3	providing a web object at said server in response to said request; and			
	4	computing said delta information at said selected one delta encoder in respon	nse to		
	5	said template information, wherein said template information is substantially independent	of an		
	6	identity of said selected one delta encoder.			
	7				
	8	6. A method as in claim 1, including steps of			
9	9	distributing said request from said client to a selected one of a set of devices	;		
<u>ا</u> ا	0	providing a web object at said selected one device in response to said reques	t;		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	computing said delta information in response to said web object and in res	ponse		
<b>1</b> 1	2	to said template information, wherein said template information is substantially independent o			
1	3	an identity of said selected one device.			
1 1	4				
19 19 1	.5	7. A method as in claim 1, including steps of			
Heart from these from the Reen to the the transport of the the transport of the the transport of the transpo	.6	receiving, from said client, a request for said template information; and			
	7	sending, to said client, said template information.			
1	.8				
1	9	8. A method as in claim 1, including steps of			
2	20	sending, from a source of said delta information, a request for said temple	ate in-		
2	21	formation; and			
2	22	receiving, at said source of said delta information, said template information	l•		
2	23				

1	9. A method as in claim 1, wherein said delta information includes at least		
2	ne program fragment.		
3			
4	10. A method as in claim 1, wherein said delta information includes at least		
5	one program fragment directing said client to retrieve template information.		
6			
7	11. A method as in claim 10, wherein said at least one program fragment di-		
8	rects said client to retrieve said template information from either the template builder, the delta		
9	encoder, or a CDN.		
‡±10			
<b>1</b> 11 11	12. A method as in claim 1, wherein		
12	said object is accessible to more than one said server; and		
10 11 12 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	said template information is accessible to said more than one said server.		
<b>2</b> 14			
14 1415 211	13. A method as in claim 1, wherein said steps of building are responsive to a		
19 []16 []1	least one change in said object.		
17			
18	14. Apparatus including		
19	a server responsive to requests from at least one client, said requests identifying		
20	objects accessible by said server;		
21	a template builder disposed logically remote to said server and responsive to said		
22	objects;		

1	a delta encoder responsive to said objects and generating responses to said re-			
2	quests, said responses including delta information for said objects and references to template in-			
3	formation for said objects.			
4				
5	15. Apparatus as in claim 14, including a delta information compressor.			
6				
7	16. Apparatus as in claim 14, including a distributor responsive to said request			
8	from said client and coupled to a selected one of a set of delta encoders, wherein said template			
9	information is substantially independent of an identity of said selected one delta encoder.			
<b>∮</b> ≢ 10				
11 12 12 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	17. Apparatus as in claim 14, including a distributor responsive to said request			
12 12	from said client and coupled to a selected one of a set of devices, wherein said template informa-			
13	tion is substantially independent of an identity of said selected one device.			
14 Pur 14 Pur 15 Pur 15				
115 115 111	18. Apparatus as in claim 14, including a server for said template information.			
12 12 16				
17	19. Apparatus as in claim 14, including a template information compressor.			
18				
19	20. Apparatus as in claim 14, wherein said delta encoder generates requests to			
20	and receives responses from said template builder.			
21				

1	21. Ap	paratus as in claim 14, wherein said delta encoder sends statistical in-		
2	formation to said templat	formation to said template builder, wherein said statistical information relates to the benefits of		
3	the delta caching service.			
4				
5	22. Ap	paratus as in claim 14, wherein said delta encoder retrieves configura-		
6	tion information from sai	d template builder and uses said configuration information in a hosted		
7	configuration mechanism.			
8				
9	23. Ap	paratus as in claim 14, wherein said delta encoder retrieves a list of		
10 mm mm 1	available templates and id	entifies which templates are not included in said list.		
1 2 2 3		paratus as in claim 14, wherein said delta encoder requests said tem-		
	plate builder to rebuild a t	emplate.		
14 14 14 14 14 14 14 14 14 14 14 14 14 1	25. Appone program fragment.	paratus as in claim 14, wherein said delta information includes at least		
TU 17	one program nagment.			
18	26. App	paratus as in claim 14, wherein said delta information includes at least		
19	one program fragment dire	ecting said client to retrieve template information.		
20				
21	27. App	paratus as in claim 14, wherein		
22	said object	is accessible to more than one said server; and		
23	said templa	te information is accessible to said more than one said server.		

1		28.	Apparatus as in claim 14, wherein said template builder is responsive to at	
2	least one chan	ange in said object.		
3				
4		29.	Apparatus including	
5		means	for receiving, at a server, a request from a client for an object accessible by	
6	said server;			
7		means	for building, logically remote to said server, a set of template information	
8	for said object	t;		
9		means	for sending, to said client, a set of delta information for said object and a	
*10	reference to sa	aid temp	late information.	
12		30.	Apparatus as in claim 29, including means for compressing said delta in-	
13	formation.			
		31.	Apparatus as in claim 29, including means for compressing said template	
	information.			
17		22	Annual transfer of the 10 to 1	
18		32.	Apparatus as in claim 29, including	
19		means	for computing, responsive to said object from said server, a set of delta in-	
20	formation; and	d		
21		means	for formatting said delta information for delivery to said client.	
22				
23		33.	Apparatus as in claim 29, including	

1		means	for distributing said request from said client to a selected one of a set of
2	delta encoders;		
3		means	for providing a web object at said server in response to said request; and
4		means	for computing said delta information at said selected one delta encoder in
5	response to sa	id temp	plate information, wherein said template information is substantially inde-
6	pendent of an identity of said selected one delta encoder.		
7			
8		34.	Apparatus as in claim 29, including
9		means	for distributing said request from said client to a selected one of a set of
10 mm 1 m	devices;		
		means	for providing a web object at said selected one device in response to said
1 <u>1</u> 12	request;		
		means	for computing said delta information in response to said web object and in
<b>1314</b>	response to sai	id temp	plate information, wherein said template information is substantially inde-
The Man How Horn Horn Horn	pendent of an i	dentity	of said selected one device.
IJ6 IJ			
17		35.	Apparatus as in claim 29, including
18		means	for receiving, from said client, a request for said template information; and
19		means	for sending, to said client, said template information.
20			
21		36.	Apparatus as in claim 29, including
22		means	for sending, from a source of said delta information, a request for said
23	template inform	nation;	and

1	means for receiving, at said source of said delta information, said template infor-
2	mation.
3	
4	37. Apparatus as in claim 29, wherein said delta information includes at leas
5	one program fragment.
6	
7	38. Apparatus as in claim 29, wherein said delta information includes at leas
8	one program fragment directing said client to retrieve template information.
9	
<sup>‡±</sup> 10	39. Apparatus as in claim 29, wherein
110 111 1212 1313	said object is accessible to more than one said server; and
<u>1</u> 12	said template information is accessible to said more than one said server.
<b>1</b> 13	
= ====14	40. Apparatus as in claim 29, wherein said means for building is responsive to
14 15 15 15 15 16	at least one change in said object.